

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/526,372  
Source: Pur  
Date Processed by STIC: 6/8/06

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 06/08/2006

PATENT APPLICATION: US/10/526,372

TIME: 09:40:23

Input Set : A:\2005-11-01 1254-0274PUS1.ST25.txt

Output Set: N:\CRF4\06082006\J526372.raw

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3 <110> APPLICANT: Iwao OHIZUMI
4   Mikiyoshi SAITO
6 <120> TITLE OF INVENTION: PREPARATION OF ANTIBODY USING MRL/lpr MOUSE
8 <130> FILE REFERENCE: 1254-0274PUS1
10 <140> CURRENT APPLICATION NUMBER: US 10/526,372
11 <141> CURRENT FILING DATE: 2005-03-03
13 <150> PRIOR APPLICATION NUMBER: PCT/JP02/08998
14 <151> PRIOR FILING DATE: 2002-09-04
16 <160> NUMBER OF SEQ ID NOS: 6
18 <170> SOFTWARE: PatentIn Ver. 2.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 31
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR upper
primer
28 <400> SEQUENCE: 1
29 gatatcatgg ccgggaccgt gcgcaccgcg t                               31
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33 <211> LENGTH: 31
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR lower
primer
40 <400> SEQUENCE: 2
41 gctagctcag tgcaccagga agaagaagca c                               31
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 31
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR lower
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52 <400> SEQUENCE: 3
53 atagaattcc accatggccg ggaccgtgcg c                               31
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 31
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic PCR upper
primer

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64 <400> SEQUENCE: 4

65 ataggatccc ttcagcgggg aatgaacgtt c

31

68 <210> SEQ ID NO: 5

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69 <211> LENGTH: 580
70 <212> TYPE: PRT
71 <213> ORGANISM: Homo sapiens
73 <220> FEATURE:
74 <221> NAME/KEY: SIGNAL
75 <223> OTHER INFORMATION: (1)..(19)
77 <220> FEATURE:
78 <221> NAME/KEY: SIGNAL
79 <223> OTHER INFORMATION: (562)..(580)
81 <400> SEQUENCE: 5
82 Met Ala Gly Thr Val Arg Thr Ala Cys Leu Val Val Ala Met Leu Leu
83 1 5 10 15
84 Ser Leu Asp Phe Pro Gly Gln Ala Gln Pro Pro Pro Pro Pro Asp
85 20 25 30
86 Ala Thr Cys His Gln Val Arg Ser Phe Phe Gln Arg Leu Gln Pro Gly
87 35 40 45
88 Leu Lys Trp Val Pro Glu Thr Pro Val Pro Gly Ser Asp Leu Gln Val
89 50 55 60
90 Cys Leu Pro Lys Gly Pro Thr Cys Cys Ser Arg Lys Met Glu Glu Lys
91 65 70 75 80
92 Tyr Gln Leu Thr Ala Arg Leu Asn Met Glu Gln Leu Leu Gln Ser Ala
93 85 90 95
94 Ser Met Glu Leu Lys Phe Leu Ile Ile Gln Asn Ala Ala Val Phe Gln
95 100 105 110
96 Glu Ala Phe Glu Ile Val Val Arg His Ala Lys Asn Tyr Thr Asn Ala
97 115 120 125
98 Met Phe Lys Asn Asn Tyr Pro Ser Leu Thr Pro Gln Ala Phe Glu Phe
99 130 135 140
100 Val Gly Glu Phe Phe Thr Asp Val Ser Leu Tyr Ile Leu Gly Ser Asp
101 145 150 155 160
102 Ile Asn Val Asp Asp Met Val Asn Glu Leu Phe Asp Ser Leu Phe Pro
103 165 170 175
104 Val Ile Tyr Thr Gln Leu Met Asn Pro Gly Leu Pro Asp Ser Ala Leu
105 180 185 190
106 Asp Ile Asn Glu Cys Leu Arg Gly Ala Arg Arg Asp Leu Lys Val Phe
107 195 200 205
108 Gly Asn Phe Pro Lys Leu Ile Met Thr Gln Val Ser Lys Ser Leu Gln
109 210 215 220
110 Val Thr Arg Ile Phe Leu Gln Ala Leu Asn Leu Gly Ile Glu Val Ile
111 225 230 235 240
112 Asn Thr Thr Asp His Leu Lys Phe Ser Lys Asp Cys Gly Arg Met Leu
113 245 250 255
114 Thr Arg Met Trp Tyr Cys Ser Tyr Cys Gln Gly Leu Met Met Val Lys
115 260 265 270
116 Pro Cys Gly Gly Tyr Cys Asn Val Met Gln Gly Cys Met Ala Gly
117 275 280 285
118 Val Val Glu Ile Asp Lys Tyr Trp Arg Glu Tyr Ile Leu Ser Leu Glu
119 290 295 300
120 Glu Leu Val Asn Gly Met Tyr Arg Ile Tyr Asp Met Glu Asn Val Leu

```

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```

121 305          310          315          320
122 Leu Gly Leu Phe Ser Thr Ile His Asp Ser Ile Gln Tyr Val Gln Lys
123          325          330          335
124 Asn Ala Gly Lys Leu Thr Thr Thr Ile Gly Lys Leu Cys Ala His Ser
125          340          345          350
126 Gln Gln Arg Gln Tyr Arg Ser Ala Tyr Tyr Pro Glu Asp Leu Phe Ile
127          355          360          365
128 Asp Lys Lys Val Leu Lys Val Ala His Val Glu His Glu Glu Thr Leu
129          370          375          380
130 Ser Ser Arg Arg Arg Glu Leu Ile Gln Lys Leu Lys Ser Phe Ile Ser
131 385          390          395          400
132 Phe Tyr Ser Ala Leu Pro Gly Tyr Ile Cys Ser His Ser Pro Val Ala
133          405          410          415
134 Glu Asn Asp Thr Leu Cys Trp Asn Gly Gln Glu Leu Val Glu Arg Tyr
135          420          425          430
136 Ser Gln Lys Ala Ala Arg Asn Gly Met Lys Asn Gln Phe Asn Leu His
137          435          440          445
138 Glu Leu Lys Met Lys Gly Pro Glu Pro Val Val Ser Gln Ile Ile Asp
139          450          455          460
140 Lys Leu Lys His Ile Asn Gln Leu Leu Arg Thr Met Ser Met Pro Lys
141 465          470          475          480
142 Gly Arg Val Leu Asp Lys Asn Leu Asp Glu Glu Gly Phe Glu Ser Gly
143          485          490          495
144 Asp Cys Gly Asp Asp Glu Asp Glu Cys Ile Gly Gly Ser Gly Asp Gly
145          500          505          510
146 Met Ile Lys Val Lys Asn Gln Leu Arg Phe Leu Ala Glu Leu Ala Tyr
147          515          520          525
148 Asp Leu Asp Val Asp Asp Ala Pro Gly Asn Ser Gln Gln Ala Thr Pro
149          530          535          540
150 Lys Asp Asn Glu Ile Ser Thr Phe His Asn Leu Gly Asn Val His Ser
151 545          550          555          560
152 Pro Leu Lys Leu Leu Thr Ser Met Ala Ile Ser Val Val Cys Phe Phe
153          565          570          575
154 Phe Leu Val His
155          580
158 <210> SEQ ID NO: 6
159 <211> LENGTH: 579
160 <212> TYPE: PRT
161 <213> ORGANISM: Mus musculus
163 <220> FEATURE:
164 <221> NAME/KEY: SIGNAL
165 <222> LOCATION: (1) .. (19)
167 <220> FEATURE:
168 <221> NAME/KEY: SIGNAL
169 <222> LOCATION: (561) .. (579)
171 <400> SEQUENCE: 6
172 Met Ala Gly Thr Val Arg Thr Ala Cys Leu Val Leu Ala Met Leu Leu
173 1          5          10          15
175 Gly Leu Gly Cys Leu Gly Gln Ala Gln Pro Pro Pro Pro Pro Asp Ala

```

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176				20					25				30			
178	Thr	Cys	His	Gln	Val	Arg	Ser	Phe	Phe	Gln	Arg	Leu	Gln	Pro	Gly	Leu
179			35					40					45			
181	Lys	Trp	Val	Pro	Glu	Thr	Pro	Val	Pro	Gly	Ser	Asp	Leu	Gln	Val	Cys
182		50					55					60				
184	Leu	Pro	Lys	Gly	Pro	Thr	Cys	Cys	Ser	Arg	Lys	Met	Glu	Glu	Lys	Tyr
185	65					70				75					80	
187	Gln	Leu	Thr	Ala	Arg	Leu	Asn	Met	Glu	Gln	Leu	Leu	Gln	Ser	Ala	Ser
188				85						90				95		
190	Met	Glu	Leu	Lys	Phe	Leu	Ile	Ile	Gln	Asn	Ala	Ala	Val	Phe	Gln	Glu
191				100					105					110		
193	Ala	Phe	Glu	Ile	Val	Val	Arg	His	Ala	Lys	Asn	Tyr	Thr	Asn	Ala	Met
194			115				120						125			
196	Phe	Lys	Asn	Asn	Tyr	Pro	Ser	Leu	Thr	Pro	Gln	Ala	Phe	Glu	Phe	Val
197		130					135					140				
199	Gly	Glu	Phe	Phe	Thr	Asp	Val	Ser	Leu	Tyr	Ile	Leu	Gly	Ser	Asp	Ile
200	145					150					155				160	
202	Asn	Val	Asp	Asp	Met	Val	Asn	Glu	Leu	Phe	Asp	Ser	Leu	Phe	Pro	Val
203				165						170					175	
205	Ile	Tyr	Thr	Gln	Met	Met	Asn	Pro	Gly	Leu	Pro	Glu	Ser	Ala	Leu	Asp
206				180					185					190		
208	Ile	Asn	Glu	Cys	Leu	Arg	Gly	Ala	Arg	Arg	Asp	Leu	Lys	Val	Phe	Gly
209		195					200						205			
211	Ser	Phe	Pro	Lys	Leu	Ile	Met	Thr	Gln	Val	Ser	Lys	Ser	Leu	Gln	Val
212		210					215					220				
214	Thr	Arg	Ile	Phe	Leu	Gln	Ala	Leu	Asn	Leu	Gly	Ile	Glu	Val	Ile	Asn
215	225					230					235				240	
217	Thr	Thr	Asp	His	Leu	Lys	Phe	Ser	Lys	Asp	Cys	Gly	Arg	Met	Leu	Thr
218				245					250					255		
220	Arg	Met	Trp	Tyr	Cys	Ser	Tyr	Cys	Gln	Gly	Leu	Met	Met	Val	Lys	Pro
221			260					265						270		
223	Cys	Gly	Gly	Tyr	Cys	Asn	Val	Val	Met	Gln	Gly	Cys	Met	Ala	Gly	Val
224			275					280					285			
226	Val	Glu	Ile	Asp	Lys	Tyr	Trp	Arg	Glu	Tyr	Ile	Leu	Ser	Leu	Glu	Glu
227		290					295					300				
229	Leu	Val	Asn	Gly	Met	Tyr	Arg	Ile	Tyr	Asp	Met	Glu	Asn	Val	Leu	Leu
230	305					310					315				320	
232	Gly	Leu	Phe	Ser	Thr	Ile	His	Asp	Ser	Ile	Gln	Tyr	Val	Gln	Lys	Asn
233				325						330					335	
235	Gly	Gly	Lys	Leu	Thr	Thr	Thr	Ile	Gly	Lys	Leu	Cys	Ala	His	Ser	Gln
236				340					345					350		
238	Gln	Arg	Gln	Tyr	Arg	Ser	Ala	Tyr	Tyr	Pro	Glu	Asp	Leu	Phe	Ile	Asp
239			355					360					365			
241	Lys	Lys	Ile	Leu	Lys	Val	Ala	His	Val	Glu	His	Glu	Glu	Thr	Leu	Ser
242		370					375					380				
244	Ser	Arg	Arg	Arg	Glu	Leu	Ile	Gln	Lys	Leu	Lys	Ser	Phe	Ile	Asn	Phe
245	385					390					395				400	
247	Tyr	Ser	Ala	Leu	Pro	Gly	Tyr	Ile	Cys	Ser	His	Ser	Pro	Val	Ala	Glu
248				405					410						415	

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```

250 Asn Asp Thr Leu Cys Trp Asn Gly Gln Glu Leu Val Glu Arg Tyr Ser
251           420           425           430
253 Gln Lys Ala Ala Arg Asn Gly Met Lys Asn Gln Phe Asn Leu His Glu
254           435           440           445
256 Leu Lys Met Lys Gly Pro Glu Pro Val Val Ser Gln Ile Ile Asp Lys
257           450           455           460
259 Leu Lys His Ile Asn Gln Leu Leu Arg Thr Met Ser Val Pro Lys Gly
260 465           470           475           480
262 Lys Val Leu Asp Lys Ser Leu Asp Glu Glu Gly Leu Glu Ser Gly Asp
263           485           490           495
265 Cys Gly Asp Asp Glu Asp Glu Cys Ile Gly Ser Ser Gly Asp Gly Met
266           500           505           510
268 Val Lys Val Lys Asn Gln Leu Arg Phe Leu Ala Glu Leu Ala Tyr Asp
269           515           520           525
271 Leu Asp Val Asp Asp Ala Pro Gly Asn Lys Gln His Gly Asn Gln Lys
272           530           535           540
274 Asp Asn Glu Ile Thr Thr Ser His Ser Val Gly Asn Met Pro Ser Pro
275 545           550           555           560
277 Leu Lys Ile Leu Ile Ser Val Ala Ile Tyr Val Ala Cys Leu Phe Phe
278           565           570           575
280 Leu Val His

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**VERIFICATION SUMMARY**

DATE: 06/08/2006

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Input Set : A:\2005-11-01 1254-0274PUS1.ST25.txt

Output Set: N:\CRF4\06082006\J526372.raw